

ADDRESSEE: Birch, Stewart, Kolasch & Birch
STREET: P.O. Box 747
CITY: Falls Church
STATE: Virginia
COUNTRY: USA
ZIP: 22040-0747
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent in Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/07/782,298
FILING DATE: October 24, 1991
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Gerald M. Murphy, Jr.
REGISTRATION NUMBER: 28,977
TELECOMMUNICATION INFORMATION:
TELEPHONE: 703-205-8000
TELEFAX: 703-205-8050
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 2756 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
MOLECULE TYPE: cDNA
HYPOTHETICAL: NO
ANTI-SENSE: NO
ORIGINAL SOURCE:
ORGANISM: Rattus rattus
CELL TYPE: Mast Cell
CELL LINE: RBL 2H3
FEATURE:
NAME/KEY: CDS
LOCATION: 232..2190
OTHER INFORMATION: //function="serotonin uptake"
OTHER INFORMATION: //product="serotonin transporter"
OTHER INFORMATION: //standard_name="5HTT"
US-07-782-298-1

	Query Match	31.5%	Score 555.4	DB 1	Length 2756
	Best Local Similarity	59.6%	Prod. No. 2.3e-134		
	Matches 975	Conservative	0	Mismatches 656	Indels 6
				Gaps	2
QY	86 TGCGTGGCTTACCCGCGCGGCGAGCGCCGAGACCTGGGCGAAGACGAGATCTCGC	145			
Db	440 TGGTGGCTGAGATTCTGCCAAGGGAGGGAGGAGACTGGGGCAAGAGATGGATTCTCC	499			
QY	146 TGGCGGTGGTGGGATTGGCACTGATCTTGGTAAAGTGTGGCGATTCCCTACATCTGT	205			
Db	500 TGTCCGTCATTGGCGTATGCCGTGAGACCTGGGCAACATCTGGCGGTTTCTTACATATCT	559			
QY	206 ACCAGATGAGAGGGGTGGCTGCTTGATCCCGTACTGGTATATGCTGTGTTGGCGGGC	265			
Db	560 ACCAGATGGCGGAGGGGCGCTTCTCTCTCTCTTATACATATATGGCCATTTTCGGGGGA	619			
QY	266 TGCCGCTGCTTCCTGGAACCTGGCGGTGGGCGACGACCGCGTGGCGCTCACTC	325			
Db	620 TCCCGCTCTTTACATGAGCTCCGACTGGGCGCAGTACACCGAAGCGGTCATTTCGA	679			
QY	326 TCTGGAAAGGATCTGGCCCGCGGCTTAAAGTGTGCGCTATGCCATTCGATGATCGCA	385			
Db	680 TATGAGGAAGATCTGGCCGATTTTCAAAGGCATTGGTTAGCCCATCGCATCACTGGCT	739			
QY	386 TCTACATGGGCATCTACTACAAACGATACGAGTGGGCGGTATATCTGATCGCTT	445			
Db	740 TTTAACATGGCGCTCTACTACAAACGATCAAGCTGGGCGCTCTACTACTCATCTCTCT	799			
QY	446 CTCTCGCGCTATTAACCTCTGTGCTGCCATGAGCAGCTGGCAACGATGGAACACGC	505			
	800 CCGTCACGAGACGGGCTCGCTGGACACGATGTCAGCACTCTGGACACTGGACATGCA	859			

QY	506	CGCTGTGCAGCCCGGTACACCTTCACCTAGACTAACTAATCTTCTCTACCGGCGAAG	565
Db	860	CCAACTACTCTCGCCAGGACCAACATCACCTTGAGCGCTCATCTTCCAGCTCCCGCTGTGG	919
QY	566	AGTTCTTGGACAGTAAATGATTTGGAGCGACCAAGTCTAACGGGCGTGGATGACATGAGGCG	625
Db	920	AGTTCTACTTGGCGCATCTCTCGAGATCCACAGTCTAAAGGAGATCCAGGACCTGGGCA	979
QY	626	CGATCAACCCGTCGCTGCTGTGTGTGTTCCGGGCTCTTGTCTCTACTTCTCTCT	685
Db	980	CCATCAGCTGGCAGCTGACCTCTCTGCAATCGTCTCATCTTCAACCGTAATCTACTTTACCA	1039
QY	686	TGTGGAAAGAGATCGAGGCTGTGGCAAGGTGGGTGGGTGACACAGCTCTGGCCCGGTACG	745
Db	1040	CTGTGAAAGGCGGTCAAAACATCTGTGCAGAGGTGTGTGGGTATACAGCCACCTTCCATACA	1099
QY	746	TGTGTCTCTGATTTCTGCTGGCGAGAGGCGTCACGCTTTCAGAGACGAGGAGGGCATAC	805
Db	1100	TTGTCTCTCTGTCTCTGCTGTGGTGAAGGGGGGCGACCTCTCTGAGACCTGGAGAGGGGTG	1159
QY	806	GCTACTACTTACCCGAGATGGCACAATTTGCAAAATCTAAGTATGATTTGACGGG	865
Db	1160	TCCTCTACTTAAACCCCAACTGGGAGAAACTCTTGAACACAGGGGTGTGGTAAATGTCG	1219
QY	866	CATCCCAATTTTCTTCTCGCTCGGTCCCGGGTTTGGAAACCTACTGGCGCTCTCCACCT	925
Db	1220	CCGCTCAGATCTTCTCTCTTGTGGCCGGGCTTTGGGGCTTCTCTGCTCTTTGTCTACT	1279
QY	926	ACACACAGTTAAACACACACTGCTACAGGAGCGGCTCATCATCTTCTTCTAACACTGCT	985
Db	1280	ACACACAACTTAAACACAACTGTTAACCAAGATGCCCTGTGTACCAAGTGTGGTGAACCTCA	1339
QY	986	TGACCAGCTTCTCTGCTGTTTCGTCATTTTCTCGGTTTGGGGTACATGCGCGACGTTTC	1045
Db	1340	TGACAGGTTGTCTGTCTGTGGCTTCGTCACTTCCAGGTCCTTGGCTACATGCGCGAGATGA	1399
QY	1046	AGAACAGAGCATCGAGAGGTTGGC--CTCGAAGGCCCTGAGACTGCTGTTCATCTGT	1102
Db	1400	GGAATGGAAGATGTGTCAAGAGGTGGCCAAAGACGAGGCGCCAGGCTCTCTTCTTACACGT	1459
QY	1103	ACCCGAGGCGCATGGCCACATGAGCGGCGCTGGTTTGGGCGCATCTCTTCTCCCA	1162
Db	1460	ATGCAAGGCAATGAGCAACATGCGCAGATCCACAGTCTTTGGCCATCATCTTCTTCTCTCA	1519
QY	1163	TGCTTATTTACCTGGGACTTACAGATCTTTTGGAGGCTTGTAGGACAGTCCACAGGCTTC	1222
Db	1520	TGTTAATCACCTGGGATTTGAGACAGCATGTCGACAGGCTCGGAAGGTGTGATCACAGCTG	1579
QY	1223	TTTGGAGCAATATCTCTCGAGTGTATAGGCACACATCGGAGATATTTGTGGCTGTACTGC	1282
Db	1580	TGCTGGAGATGTCCTCTACATCTGTGGGCGAAAGCGAGGGAATGGTTCGTCTCATCTGCG	1639
QY	1283	TTCTGTTCTATATTTTGGCGCTCTGGCCACACACACATACAGGTGGTATATCTTCGTAG	1342
Db	1640	TCATCAGGTGGCTGTGGGATTCCTGTCACACATGAGTCAAGAGGGGCAATACGTGTGGA	1699
QY	1343	ACCTACTCATGTGTATGCGCCCTGGATTTGCGGATTTATTCGTGTATTTGCTCAGGCTG	1402
Db	1700	CTCTGTGTGAGAGATATGCCACAGGGGCGGACGAGTGTCTACCGGTGGCCCTCATTCAGACGCG	1759
QY	1403	CCGGCGGTGTGGGTGTATGGGCGTGCAGCGGCTCTGTGAAGATGTGAGGACCAATGCTGG	1462
Db	1760	TCGCGCGTGTCTTGTCTATGGAATTCATCACTCAAGTTCTGACCGGATGTGAGAGATGCTGG	1819
QY	1463	GGCACACCCCTGATGAGTTCGTGAGGACCTGTGGTCTTATCATTACAGTCCGCTAATCTTTCG	1522
Db	1820	GCTTCAG--GGGATGGTTTGGAGAGATCTGCTGGGTGGCCATCAGCCCTCTGTTCTTCC	1876
QY	1523	TGTGTCTGTTCGTCTTCCGTTCTGGCACAGAGAGATGCTCGCGGGGGAATACACT	1582
Db	1877	TGTTCAATCATTTTGAAGTTTCTGATGTGAGCCCAACCCCAAGTACGGCTTTTCCATTAACACT	1936

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Oy 1583 ATCCCTCATGCTATATACCGCTGAGTACCGGACCGACACCGCTTCGGCATTC 1642
Db 1937 ATCCCACTGGAGTATGCTCTTGGGCTACTGATAGGAGTATGCTCCGTCATCTGCAATCC 1996
Oy 1643 CTCTTATCAATTATCTACAAACTGCTCATCTGCGCAATTTGATCAACCGCATCAGA 1702
Db 1997 CTACCTTATATCATTTATATTCGCTGATACGACTCCGGGACACTTAAGAGCGGATTTATTA 2056
Oy 1703 CAATTCAAACGTCGCGGAA 1719
Db 2057 AAAGTATCACTCTCTGAA 2073

RESULT 4
US-07-959-943-10
Sequence 10 Application US/07959943
Patent No. 5418162
GENERAL INFORMATION:
APPLICANT: Blakely, Randy D.
APPLICANT: Fremneau Jr., Robert T.
APPLICANT: Caron, Marc G.
TITLE OF INVENTION: Serotonin Transporter CDNA
NUMBER OF SEQUENCES: 12
CORRESPONDENCE ADDRESSES:
ADDRESSSEE: Kenneth D. Sibley, Bell, Seltzer, Park
ADDRESSSEE: and
ADDRESSSEE: Gibson
STREET: Post Office Drawer 31107
CITY: Raleigh
STATE: NO. 5418162th Carolina
COUNTRY: U.S.A.
ZIP: 27622
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/07/959,943
FILING DATE: 19921014
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Sibley, Kenneth D.
REGISTRATION NUMBER: 31,665
REFERENCE/DOCKET NUMBER: 5405.38a
TELECOMMUNICATION INFORMATION:
TELEPHONE: 919-881-3140
TELEFAX: 919-881-3175
INFORMATION FOR SEQ ID NO: 10:
SEQUENCE CHARACTERISTICS:
LENGTH: 2508 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: cDNA
POSITION IN GENOME:
UNITS: 2278 basepairs
FEATURE:
NAME/KEY: CDS
LOCATION: 73..1962
US-07-959-943-10

Query Match 31.3%, Score 552.4, DB 1, Length 2508;
Best Local Similarity 59.5%, Pred. No. 1.3e-133;
Matches 953; Conservative 0; Mismatches 646; Indels 3; Gaps 1;

Oy 107 GGCAGCCGAGAACTGGGCGCAAGAAGCGAGAGTTCTGCTGAGCGGTGGGATTCGCAG 166
Db 302 GGAAGCGGAGAACTGGGCGCAAGAAGCGAGATTCTCTCTCACTGATTTGGCTATGCTG 361
Oy 167 TGGATCTTTGGTAACTGTGGCGGATTTCCCTTACATCTGTTACCAAGANTGAGGCGGTGCT 226
Db 362 TGGCACTGGGCAAACTCTGGCGCTTCCCTTACATCTGTTACCAAGAAATGAGGCGGCGCAT 421

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OY	227	TCGATGCCGCTACTGCGCTTATGTCGCTTTGGGGGGCTCCCGTCGTTCTCCGGAAC	286
Db	422	TCCTCTCTCCCTACCAACCTCATGTGGCCATTTTGGGGGAATCCCGCTCTTTTACATGGAGC	481
OY	287	TGGCGCTGGCCAGTACCACCGCTGCGGCTGCCACTCTGTGGAAACGATCTGCCCG	346
Db	482	TCGCATCGGACAGTACCACCGAATGGATGCATTTCAATATGAGGAAATCTGCCGA	541
OY	347	CGCTTAAAGTGTGGGCTATGTCCTATGATGACATCTACATGGGCATGTACTACA	406
Db	542	TTTTCAAAGGATTTGGTTATGCTCCATCTGCATCATTTGGCTTTTACATATGCTTCACTACA	601
OY	407	ACACAGATCATGGATGGGCGGTGTATTTACCTGATACGCTTCTCTCGCGCTCTATTAACCTGTG	466
Db	602	ACACATCATGCGCTGGCGGCTATACATCTCATCTCTCTCTTCACGGACCAAGCTGCCCT	661
OY	467	TGCTGCCATGGACACGCTGGCACAACGATGGAAACGCGCGCTGTGCACGCGGTCACCT	526
Db	662	GGACCGAGTGGCAAAACCTCTGGAAACACTGGCACTGCAACCAATTACTTCTCCAGAGACA	721
OY	527	CACCTCAAGACTTAATCTTACCTTCTTACACGGGGGAAGAGTCTTTCGAACGTATGAT	586
Db	722	ACATCACCCTGACCCCTCCATTTCACAGTCCCTGCTGAAAGAAATTTTACACGGGCCACGCTC	781
OY	587	TGGACGACGACAAAGTCTTAACGCGCTGTGATGACATGGGGCGCATCAAGCGCTGCGTGAGCTC	646
Db	782	TGCAGATCCACCGGCTTAAGGGGGCTCCAGAGACCTGGGGGGCATGACGTGGCAGGTGGCCC	841
OY	647	TGCTGTCTTGGGGTCTTTGCTCTCGCTCACTTCTCTTGTGGAAAGAGATCAGAGACTG	706
Db	842	TCCTGATCATCTGATCTTCTCACTGTATCACTTACGATCTGGAAAGCGCTCAAGACTT	901
OY	707	CTGGCAGAGTGTGTGGGTGACAGCTCTGGCCCCGTACGTGTGCTGTATTCGTCTGG	766
Db	902	CTGGCAAGTGTGTGGGTGACAGCACCTTCCCTATATCATCTTCTGTGCTGCTGG	961
OY	767	CGAGAGCGTCAACGCTTCCAGAGCGAGCGAAGGCGATACGCTACTACTTACCCAGAGT	826
Db	962	TGAGGGGTCACACCTCCCTGAGCGCTGGAGGGGGTCTCTTCACTTGAACCCAAATT	1021
OY	827	GGCAACAATTTCAAAAATCTTAAGGTATGGATTGACGCGGCAATCCCAATTTTCTCTCGC	886
Db	1022	GGCAAAATCTCTGGAGAGCAGGGGTGTGGATAGATGACAGCGGCTCAGATCTTCTTCTCTC	1081
OY	887	TCGGTCCGGGTTGGAAACCTACTTGGCGCTCTCCAGCTACAAACAAGTTCAACAACAAT	946
Db	1082	TTGGCTCGGGCTTTGGGGTCTGCTGCTTTTGTGCTTACAAACAAGTTCAACAACAAT	1141
OY	947	GCTACAGGAGCGCGTCACTCACTTCTTATCAACTGCTTACACAGCTTCTCTGCTGTT	1006
Db	1142	GCTACCAAGATGCCCTGTGTGACACAGCGTGTGAATGTGATGACGAGCTTCGTTCTCGGAT	1201
OY	1007	TCGTCATTTTTCGGTTTTTGGGGTACATAGCGGACGTTCCAGAAACAAGACATCGAGAGG	1066
Db	1202	TTGTGATCTTCAAGTGTCTGGTTACATAGGCTGAGATGAGGAATGAATATGTCTGTAGG	1261
OY	1067	TTGGC---CTGGAAGGCGCTTGACTGGGTGTATGTTTACCOCGAGGCATCGCACCA	1122
Db	1262	TGGCCAAAGACGACAGTCCACAGCCCTCTTCTTACCTATGCAACAAACGATAGCAACA	1321
OY	1124	TGACCGGCTCGTGTGTGGGCATCATCTTCTCTATGCTATTTACCCGAGGACATTTG	1183
Db	1322	TGCCAGCTTCACTTCTTTTGGCATCATCTTCTTCTATGTATATCAGCTGGGCTTGG	1381
OY	1184	ACAGTACTTTTGGAGCTTTAGGCGATCCACAGGCTCTTTGGCAGCAATATCTCGAG	1243
Db	1382	ACAGACGCTTTTGGAGGCTTGGAGGGGGTGATACACGCGCTGTGCGATGATGTTCCACAGC	1441
OY	1244	TGTTTAGGAGACATCGCAAGATTAATTTGGGCTGTACCTGCTCTGTTCATCATATTTGCG	1303
Db	1442	TCGTGGGCCAAGCGCGGGAGGCTTGTGCTGCGCGCTGTATACACCTGCTCTTTTGGAT	1501

OY	1304	CTCGGCCACACACATAGCGTGGTGTAATCCGTCGTGAAGACTCACTCAATGATGATGACC	1363
Dd	1302	CCTCGTGACACCTTACTTTTGGAGGGGCCTAAGTGTGAACCTCTGGAGGAGTAGTCCA	1361
OY	1364	CTGGAATTGGCGATTCTATTGCTGGTATTTCGTGAGCGTGCCGGCGGTGCTGCGGCTCATG	1423
Dd	1362	CGGGGCCCGGAGTGTCTCAGTGTGGCGGTGATCGAAGCAGTGGCTGTCTTGGTTCATG	1421
OY	1424	GCGTCGACCGGTTCTCTGAMAGATGTGAGGACATGCTGGGGCACACCCCCTGAGATGGTTC	1483
Dd	1422	GCAATCACTCAATTCCTGACAGGGACGTGAAGAAATGCTCGGCTTCAGCCCGGGGGTGTCT	1481
OY	1484	GGAGGACCTGTTGGTCTTAATCATGTCGCCGATCTCTGCTGCTGTCTCTGTCCTGCC	1543
Dd	1482	GGAGGATCTGTGGGTGGGTCATGACCCCTCTGTTCTCTGTATATATTTGGACGTTTTTC	1541
OY	1544	TTCGCGACACAGAGAGATGCTCGCGCGGGATACACTATATCCCTCATGTCATTCACCG	1603
Dd	1742	TGATGAGACCGCGCCACAACACTAGCACTTTTCCATATATATATATTCCTTACTGGAGTATCACT	1801
OY	1604	TAGGCTGGGTGATGACCGGACACACCGTCTTCGTGATTTCTTTTACATTATCTACAAC	1663
Dd	1802	TGGGTTACTGATPAGAACCTCATCTTTTCAATTTCATCCCAACATATATATACCTTATCGGT	1861
OY	1664	TGCTCATCACTCCCTGGCAATTGGATTCACACCGCATCAAGACA	1705
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RESULT 5
US-08-301-722A-1
; Sequence 1, Application US/08301722A
; Patent No. 5756307

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GENERAL INFORMATION:
APPLICANT: uhl, George R.
APPLICANT: Vandenberg, David
APPLICANT: Persico, Antonio
TITLE OF INVENTION: SEQUENCE OF HUMAN DOPAMINE TRANSPORTER
TITLE OF INVENTION: CDNA
NUMBER OF SEQUENCES: 10
CORRESPONDENCE ADDRESS:
ADDRESSEE: Birch, Stewart, Kolasch & Birch, LLP
STREET: P.O. Box 747
CITY: Falls Church
STATE: Virginia
COUNTRY: USA
ZIP: 22040-3487

COMPUTER READABLE FORM:
MEDIUM TYPE: floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn/Release #1.0, Version #1.30

CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/301,722A
FILING DATE: 07-SEP-1994
CLASSIFICATION: 435

ATTORNEY/AGENT INFORMATION:
NAME: Murphy Jr., Gerald M.
REGISTRATION NUMBER: 28,977
REFERENCE/DOCKET NUMBER: 1173-406P
TELECOMMUNICATION INFORMATION:
TELEPHONE: 703-205-8000
TELEFAX: 703-205-8050

INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 3919 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
MOLECULE TYPE: CDNA
HYPOTHETICAL: NO
ORIGINAL SOURCE:
ORGANISM: Homo sapiens

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: TISSUE TYPE: brainstem
: FEATURE:
: NAME/KEY: CDS
: LOCATION: 102..1961
: OTHER INFORMATION: //function= "dopamine transport"
: OTHER INFORMATION: //product= "H1DAT polypeptide, see Fig. 5 (ndat)"
: FEATURE:
: NAME/KEY: misc_RNA
: LOCATION: 2724..3117
: OTHER INFORMATION: //function= "unknown"
: OTHER INFORMATION: //label= VINTR_region
:
: JS-08-301-722A-1

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Query Match	28.68;	Score 504.6;	DB 1;	Length 3919;
Best Local Similarity	59.28;	Pred. No. 3.7e-121;		
Matches 943;	Conservative .0;	Mismatches 629;	Indels 21;	Gaps . 4

QY	10	GGGGGGGAGCGAGAGCTGGGCGACAAAGACAGAGTCTCGTGGCGGTGGGATTT	161
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QY	162	CGCAGTGGATCTTGGTAACGTGTGGCGATTCCTCCCTACATCTGTTTACCAGATGAGGCG	221
Db	329	TGCTGTGGACCTGGGCCAACGTCTGGCGGCTTCCCTACCTGTGCTACAAATAATGGTGGCG	388
QY	222	TGGCTTCAGATCCCGTACTGGGTATAGCTCTGTGGGGGCGGTGGCGGTGTCTTCTTCC	281
Db	389	TGCTTCCTGGTCCCTACCTGCTCTCTTATGATGATTAATGCTGGATGGCACTTTTCTACAT	448
QY	282	GGAACTGGCGGCGGAGTACACCGCTGGCGGCTGACTACTCTGGAAGCGATCTG	341
Db	449	GGAGCTGGCCCTGGGCGAAGTTCACAGGGAAGGGGGCGGTGGTGTGGAA---GATCTG	505
QY	342	CCCCGGCTTAAAGTGTGGCTATGCCATTCGATGATGACATCTACATGGGCACTGA	401
Db	506	CCCCATACAGAAAGGTGTGGGCTTCCACGCTATCTCATCTGATATTCGGCTTCTT	565
QY	402	CTACACACGATCATCGATGGGCGGCTTATCTACGTGCTCTCTGCGCTATATA	461
Db	566	CTACACAGTCAATCGCTGGGCGCTCCTACATATCTTCTCTCTTCCATCACCGAGACT	625
QY	462	CTCTGTGCTGCCATGGACCGAGCTGGCACMACAGATGGAC-ACGCGCTGTGCACGCGG	520
Db	626	CCCCGTGATCTCACTGCACAACTCCTGGACAGCCCACTGCTGGATGCCATCTCTGG	685
QY	521	TCACTCCACTCAAGACTATCTTAATCT-----TCTAACACGGCGGAAGA	566
Db	686	TGACTCTCAATGGAGACGCTCGGGCTCTTACGACACTTTTGGACCACTCTCTGCTCGA	745
QY	567	GTTCTTCGACGTAATGTTATTGGAGACACACAACTTACAGCGCTGGATACATGGGGCC	626
Db	746	GTACTTTGAAGCTGGGCGTGTGTGCACCTCCACACAGCCATGTGCTAGCACTCGGGCC	805
QY	627	GATCAAGCCGTGCTGGCTCTGTGTGTGTGCGGGCTTTGTCTCTGCTACTTCTCTT	686
Db	806	TCCGCGTGGGAGCTACAGGCTGCTGCTGTGCTGTGATGATGTGTGCTTACTTTCAGCCT	865
QY	687	GTGGAAAGGAGTCAGAGATGCTGGCAGAGTGTGTGGGTGTACAGCTCTGGCCCCGTA	746
Db	866	CTGGAAAGGCGTGAAGACCTCAGGGAAGTGTATGTGATACAGCCACCATGTGCATAGCT	925
QY	747	GGTGTGCTGATTTGCTGTGGGAGAGGAGTACCTTCACAGAGCGAGGAGGCGATTAG	806
Db	926	GGTGTGCTGATTTGCTGTGGGAGAGGAGTACCTTCACAGAGCGAGGAGGCGATTAG	985
QY	807	CTACTACTTACCCAGAGTGGCACAAATTGCAAACTCTAAGGTATGATTGACGGCG	866
Db	986	AGCATACCTGAGCGTTGACTTCTACCGGCTCTGCGAGGCGTCTGTTTGGATTACCGCGC	1044
QY	867	ATCCCAAGATTTCTTGTGGCTGGTCCCGGGTTGGAAACCTTACGTGGCGCTCTCCAGCTA	926
Db	1046	CACCGAGGTGTCTTCTCCCTGGGCGTGGGGTGTGGGGTGTGATGCGCTTCTCCAGCTA	1105

Oy	927	AAAGAAGTCAACAAACAACATGCTACAGGAGAGGCGCTACATCTCTTATCAATCGCTT	986
Db	1106	CAACAAGTTACCAACAACACTGCTACAGGAGAGGCGATTTGTACACACTTCATCAATCGCTT	1155
Oy	987	GACCAAGCTTCCTGTCGTATTTTCGCTGATTTTGGGATACATGGCGACGTTCA	1046
Db	1166	GACGAGCTTTCCTCCGGCTTCGTCGTCCTTCTCTCTCGGATACATGGACAGAGAA	1225
Oy	1047	GAAACAAGATTCGAGAGAGTTGGCCCTCGAAGGCGCCCTGAGACTGGTGTTCATCGTACCC	1106
Db	1226	CAGTGTGCCCAATCGGGGACGTGGCAAGGAGAGGCGCCAGGGGTGATCTTCATCACTACCC	1285
Oy	1107	CGAGGCCATFCGCCACCAATGACCGGCGCTCGTGTGGGCCATCATCTCTTCCATGACT	1166
Db	1286	GGAAGCCATGCGCAGCGCTCCCTCGTCTCAGCCCTGGGCCGTGGTCTTCTTCATCATGCT	1345
Oy	1167	TATTACCCCTGGGACTTGACACTACTTTTGGAGGCTTTGAGGCACTACACAGCGCTCTTGG	1226
Db	1346	GCTCCACTCGGCTGATCGACACCGCCATGGGGATGATGAGTCACTGATCAACCGGGCTCAT	1405
Db	1227	CGAGCAATATCTCGAGAGTGTAGGCAAGCATCGGGAAGTATTTGGCTGTACAGCTCT	1286
Db	1406	CGATGAGTTCCAGC---TGCTGACACAGACACCGGTGACTCTTACGCTCTTCAATGCTCT	1462
Oy	1287	GTTTCATCTATATTTTCCGCTCTGCCACACACATACGGTGGTATACCTCGTAGACT	1346
Db	1463	GGCAGACCTTCCTCCGTCGCTGCTCGTGGGTACCAACAGGTGGACATACGCTTCACGCT	1522
Oy	1347	ACTCAATGTATAGGCGCTCGATTTGGGATTTCTATTCGTGTTATTTGCTGAGGCTGCCG	1406
Db	1523	CTTGAGCAATTTTCAGCGCGGACGTCCTCATCTCTTGGAGTGGTCTCATGAAGCGCATCG	1582
Oy	1407	CGTGTGCTGGGTATGAGCGTCGACCGGTTCTGAAAGATGTGAGACATAGTGGGCA	1466
Db	1583	AGTGGCGCTGTTATGAGTGTGGGCAAGTTGACGAGAGACATTCAGACAGATGACCGGGCA	1642
Oy	1467	CACCCCTGAGATGTTCTGAGGAGACTGTTGGTCTTACATCACTAGTCCGATTTCTTGCTGAT	1526
Db	1643	GCGGCGCCAGCGCTGACGTGGCGGCTGCTGGAACTGGTCAAGCCCTTCCTTCCTGTT	1702
Oy	1527	GCTTTGCTGTTTCCTCGTTTGGGACACAGAGAGATGCTCGGCGGGATACACTATAC	1586
Db	1703	CGTGTGCTGTTGACATTTGACCTTCAGACCCCCCAGCTTACGAGGAGCTTCAATCTTCCC	1762
Oy	1587	CTCATGGTCTATACACCGTAGGCTGGGTGATGACCGGACCAACCGCTCTGTCATCTCTCT	1646
Db	1763	CGACTGGGCGCAACCGCTGGGCTGGTCAATCGCATATCTTCATGGCATGGGCCAT	1822
Db	1647	TTACATTAATCTACAACACTGCTATCACTCTCGG	1679
Db	1823	CTATGCGGCTACAGATTCTGACACTGCGCTGG	1855
<p>RESULT 6 US-07-762-132A-1 Sequence 1, Application US/07762132A Patent No. 5312734 GENERAL INFORMATION: APPLICANT: Uhl, George R APPLICANT: Kuhar, Michael J APPLICANT: Shimada, Shoichi APPLICANT: Kitayama, Shigao APPLICANT: Patel, Amrat APPLICANT: Lin, Chien-Liang TITLE OF INVENTION: "cDNA Encoding A Dopamine TRANSPORTER AND PROTEIN ENCODED THEREBY" NUMBER OF SEQUENCES: 6 CORRESPONDENCE ADDRESS: ADDRESSEE: Birch, Stewart, Kolasch & Birch STREET: 301 N. Washington St. CITY: Falls Church STATE: Virginia COUNTRY: USA</p>			

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1 ZIP: 222046-0747
2
3 COMPUTER READABLE FORM:
4
5 MEDIUM TYPE: Floppy disk
6
7 COMPUTER: IBM PC compatible
8
9 OPERATING SYSTEM: PC-DOS/MS-DOS
10
11 SOFTWARE: PatentIn Release #1.0, Version #1.25
12
13 CURRENT APPLICATION DATA:
14
15 APPLICATION NUMBER: US/07/762,132A
16
17 FILING DATE: 19910920
18
19 CLASSIFICATION: 435
20
21 ATTORNEY/AGENT INFORMATION:
22
23 NAME: Murphy, Gerald M.
24
25 REGISTRATION NUMBER: 28,977
26
27 REFERENCE/DOCKET NUMBER: 1173-340P
28
29 TELECOMMUNICATION INFORMATION:
30
31 TELEPHONE: 703-241-1300
32
33 TELEFAX: 703-241-0369
34
35 TELEX: 248345
36
37 INFORMATION FOR SEQ ID NO: 1:
38
39 SEQUENCE CHARACTERISTICS:
40
41 LENGTH: 3404 base pairs
42
43 TYPE: NUCLEIC ACID
44
45 STRANDEDNESS: double
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47 TOPOLOGY: linear
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49 MOLECULE TYPE: cDNA
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51 ORIGINAL SOURCE:
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53 ORGANISM: Rattus rattus
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55 IMMEDIATE SOURCE:
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57 CLONE: pDAT1
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59 FEATURE:
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61 NAME/KEY: CDS
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63 LOCATION: 63..1919
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65 FEATURE:
66
67 NAME/KEY: POLYA_site
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69 LOCATION: 3385
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71 FEATURE:
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73 NAME/KEY: 5'UTR
74
75 LOCATION: 6..62
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77 FEATURE:
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79 NAME/KEY: 3'UTR
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81 LOCATION: 1920..3384
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83 US-07-762-132A-1
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Dp	587	CCCATGATGATCCATGTCACAAACACCTGGAAATAGCCCCAAAGTCCTCGAATGCCATGCCACG	646
Qy	521	TCACCTCACTCAG-----ACATATCTACTCTTCTACACCGCGGACGAGATT	569
Dp	647	CAACCTTAGCGCAGCGCCGTGGCCCTCAATGACACCTTTGGGACACACCCGCTGCTGAATA	706
Qy	570	CTTCGAACGTAATGATATTGAGACGACACAAAGCTAAACGGCCGTGATGATCGAGGCCGAT	629
Dp	727	CTTTGAGGCTGGCCGTGCTGACACCTTACACAGACCGGTGGCANTGATGACCTGGGCCCTCC	766
Qy	630	CAAGCCGTCGCTGGCTGTGTGTCTTGGGGCTCTTTTGCCTGCTACCTTCTCCTGTC	689
Dp	767	ACGGGGGAGGCTCACAGGCTGCGCTGGTCTGGTCTATTTCTTGCTCTCACTTCAGGCTATMG	826
Qy	690	GAAGAGATCAGAGATGCTGGCAGAAGTGATGGGTGGACAGCTTGCGCCGCTGATGATGAT	749
Dp	827	GAAGGATATAAGACCTCAGGGAAGTGTGTGATACACAGCTACCACTACCATGCTTATGTGT	886
Qy	750	GCTGCTGATTTGCTGTGGCGAAGCGGTCACGCTTTCAGAGAGCGACGAGGGCGATACGCTA	809
Dp	887	CCTCAACACCCCTGCTGCTGCGAGATTACCTTCTGAGGCAATGATGGCATGACAGAC	946
Qy	870	CCAGATTTTCTTCTGCTGCGGTCCGGGTTTGGAAACCTTACGAGGCGCTCCAGCTACAA	929
Dp	1007	CCAGGTGTCATTCTCCCTCGGGGTTGGGTTTGGAGTGTGATGCTGCTTCTCAGTTACAA	1066
Qy	930	CAAGTTCACAACAACTGCTACAGGAGCGCGCTATCACTTCTTATCAACTGCTTAC	989
Dp	1067	TAAATTCACACATAATCTCTATAGAGAGCATATCACACCTCCATTAATCTCCCTAC	1128
Qy	990	CAGCTTCTTCTGCTGCTTCTGCTATTTCTCGGTTTGGGATACATGAGCGACGTTCAAGA	1048
Dp	1127	AAGCTTTCGCTGGCTTCTGTGTCTTCTCCTCCTGGGATATATGGACACGAAAGCACAA	1188
Qy	1050	CAAAGCATTCAGAGAGTTGGCTTCGAAGCCCTGAGACTGGTGTTCATGCTGACCCGA	1108
Dp	1187	TGTGGCCATTCAGAGATGTGGCACAGATGGAGACCTGGGCTCATCTTCATCACTATACCTGA	1248
Qy	1110	GGCATTCCACACATGACGGGCTCCGTTTGGGCCATCAATCTTCTCCATCATTAAT	1168
Dp	1247	GGCATGCGCCACATCCCGCTGTCTTCTGCTGGCTGCTGCTCTTCTTCTCATGTCTCT	1308
Qy	1170	TACCTGGGACTTGACAGTACTTTTGGAGTCTTGAAGCACTACACAGCGCTCTTGGCA	1228
Dp	1307	CACCTGTGGGTATCGACAGTGCATAGGGGGGATGAGTCACTGATCACTGGGCTGTGCA	1368
Qy	1230	CGAATATCTCGAGAGTTAGGACAGACATCGGGAATTTTGGGTGTACGTCTCTT	1288
Dp	1367	TGAGTTCCAGC---TGTACATCGGCATCGAGAGCTCTTCACTTGGCATTTGCTGGC	1423
Qy	1290	CATCATATTTTGCCTTCCACCACACCACTACGAGTGTATACCTGATGAGACTACT	1348
Dp	1424	TACTTCTCTGCTGCTCTCTTCTGCGTACCAAGGTGGACATCAAGCTTTCACACTGCT	1483
Qy	1350	CAATGTATGAGCCCTGATTTGGCATTTCTATGTGTATTTGCTGAAGCTGCCGCGT	1408
Dp	1484	GGACCACTTTCAGCTGGCACATGTATCTTTTGGCTGCTCATTTGAAGCATTTGGGGT	1543
Qy	1410	GTGCTGGGTATGAGCGTGCAGCGGTTTCTGAAGATGTAGAGCAATGCTGGGGACAC	1468
Dp	1544	GGCCTGTCTACGGCGTCCAGCAATTCATGATGATACATCAAGCAATGACAGGGCACG	1603
Qy	1470	CCCTGAGATGTTCTGAGAGACCTGTGGCTTTACATCAAGTCCCGTATTTCTGCTGTGCT	1529
Dp	1604	ACCCAACTGTACTGGCGGCTATCTAGTGAACGTGCTAGCCCTGCTCTCTCTGTATGT	1663
Qy	1530	GTGTGTGTTCCGTTTGGACACAGAGATGCTCGCGGGGAATACACTATCTCTC	1588
Dp	1664	GCTGTGCTACGATGTGACCTTACAGCCCAACATCATATGGGGCTTACATCTTCCAGA	1723

QY	1590	ATGCTATATCAACCGTAGCTGGGATGATACCGGACACACGCTGTCGTCATTCTCTTTA	1649
Db	1724	CTGGGCCCAATGCCCTGGGCTGGATCATCGCCACATTCCTCATTTGGCATGTCGCCATTTTA	1783
QY	1650	CATTATCTACAACATGCTCATTCACACTCTCTGG	1679
Db	1784	TGGACCTCTACAAGTTCTGCACGCCCTGCCGGG	1813

RESULT 7

US-08-295-814E-3
; Sequence 3, Application US/08295814E

GENERAL INFORMATION:

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ADDRESS: Cooper & Dunham LLP
STREET: 1185 Avenue of the Americas
CITY: New York
STATE: New York
COUNTRY: USA
ZIP: 10036

COMPUTER READABLE FORM:

```

; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.30
; CURRENT APPLICATION DATA:

```

APPLICATION NUMBER: US/08/295,814E
FILING DATE: DECEMBER 19, 1994

CLASSIFICATION: 435

ATTORNEY/AGENT INFORMATION:
NAME: White, John
REGISTRATION NUMBER: 28,678
REFERENCE/DOCKET NUMBER: 40558-B-PCT-US
TELECOMMUNICATION INFORMATION:

TELEFAX: 212-391-0525

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; INFORMATION FOR SEQ ID NO:
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; SEQUENCE CHARACTERISTICS:
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; LENGTH: 1938 base pairs
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;

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STRANDEDNESS: both
TOPOLOGY: 1 in 3

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;   IOPLOGI: linear
;   MOLECULE TYPE: cDNA
;   HYPOTHETICAL: N

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; ANTI-SENSE: N
; FRAGMENT TYPE: N-terminal
; IMMEDIATE SOURCE:

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IMMEDIATE SOURCE:
LIBRARY: rat brain
COUNTRY: FRG

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; CLONE: 1B0D
; FEATURE:
; NAME/KEY: CDS

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LOCATION: 16..189
OTHER INFORMATION:

US-08-295-814E-3

Query Match

Best Local Similarity: 55.2%; Pred. No. 1.7e-92;
Matches 888; Conservative 0; Mismatches 691; Indels 30; Gaps 5

97 ACCCGGGGGGACGGCGAGACCTGGGGCAAGAGAGCAGAGTTCCTGCTGGCGGTGCG 156

Db 1.33 AAGCGGTCACGAGCGCGTCACTGGAAACAACAAGTGGAGTTCGTTCGAGCGGTAGCG 192

157 GSATTCCGCAgTGGATCTGGTAACGTGTGGCGATTCCCTACATCTGTTACCAGAAATGA 216

Db 193 GGAGAGATCATTCGCTGGGCAACGTGTGGCGCTCCCTACCTGTGCTACAGAACGCG 252
 QY 217 GGGGGGCGTTCCTGATCCCGTACTGCGTATATGCTGTGTTGGCGGCGCCGCTTC 276
 Db 253 GGGGGGCGTTCCTGATCCCGTACTGCGTATATGCTGTGTTGGCGGCGCCGCTTC 312
 QY 277 TTCTGGAACCTGGCGGTGGGCGCAGTACACACGCGTGGCGCTCACTCTCTGAAACG 336
 Db 313 TTCTGGAACCGGCTCTGGGCGCAGTTCAGACAGGAGCGGCGCATCAGCTCTGAGAGA 372
 QY 337 ATCTGCCCGCGCTTAAAGGTGTGCGCTATGCCATCTGATTCGATTCATTCATGGC 396
 Db 373 GTCTGCTTTATTGTAAGGATCGGCTATGCAACACAGGTGATCGAGCGCATTCAT 432
 QY 397 ATCTACAAACAGATCATCGGATGGGCGGT-----ATTACGATTCGT 444
 Db 433 GTCTACTACTATCATCTCGGCGTGGCCATCTTCTACTTAAAGCACTCTTCACACC 492
 QY 445 TTCTGCGCTCTTAAACCTGTGCTGCCATGAGACACAGTGCACAAAGAGTGAACAG 504
 Db 493 GACCTCCCGTGGGCGCACTGTGGGCAATGATGGAACACAGAAATGTGTGAGTTCCAG 552
 QY 505 CCGCTGTGACAGCGCGGTACCTCACTCAGACTAATCTTACTCTTCTACACCGCGGAG 564
 Db 553 AACCTGAATTCAGCACTACAGTCAATGTCTCCCTGAGAACGCAACCTCCCGGTCATG 612
 QY 565 GATGTTCTGGAAGTATGATGAGAGACACACAGCTAACGCCCTGGATGACATGGG 624
 Db 613 GATGTTCTGGAAGCGCGGCTTGG-----CTATATCTGATGGCATTTGAACATCGG 666
 QY 625 CCGATCAAGCGCTGCTGCTGTGTGTGTTGGGCGTCTTCTCTGCTACTTCTCC 684
 Db 667 AACCTCGATGGAGAGTGGGACATGTGTCTCTGCGGCTTGAGACATCTCTACTTCTGC 726
 QY 685 TTGTGGAAGAGTACAGAGTGTGCGCAAGTGTGTGGTGTGACAGCTTGGCCCGTAC 744
 Db 727 ATCTGGAAGGTACGAAGTCACTGGAAGGTGTGTATCTCACTGCAACCTTCCCTAC 786
 QY 745 GTGTGCTGTGATTCGTGGGAGAGGCGTCACTGTCAGAGGAGGAGGAGGAGATA 804
 Db 787 ATATGCTGTGATCTCTGATTCGAGGGGTACAGTGGCGGCTGTGCGGAGGATC 846
 QY 805 CGCTACTACCTTACCCGAGAGTGGCACAAATTCGAAACTCTAAGATGATTTGACGCG 864
 Db 847 AAGTTCTACTGATACCTGACCTCTCCGCGCTCTGATTCACAGAGTGTGGGATGCT 906
 QY 865 GCATCCCAATTTTCTTCTGCTCGCTCCGCGTTCGGAACCTTACGCGCTCCAGC 924
 Db 907 GGGAGCGAGATCTTTTCTCTATGCGCATCTGCTGGGCTGCTGACCGCTCTGGGAGT 966
 QY 925 TACAAAGTTTCAACAACTGCTTACAGGAGCGGCTCATCACTTCTTATCACTGC 984
 Db 967 TACAACTATTAACAACTGCTTACAGGAGCTGTAATATGCTGTGCTGTGAACAGT 1026
 QY 985 TTGACAGCTTCTGCTGTGCTGCTATCTTCTGCTTTTGGGTTGAGTATGCGCACGTT 1044
 Db 1027 GGCACAGCTTCTGCTGTGCTGCTATCTTCTGCTTCTGCTTCAATGGGCTTACG 1086
 QY 1045 CAGAAAGAGCATCGAGAGGTTGGCTCGAAGGCCCTGAGTGTGTTCTATCTGCTAC 1104
 Db 1087 CAGAGCGCTGCTTGTGCTGAGGTGAGAAATCAAGTCTGAGCTGCTTATCATCGCTAC 1146
 QY 1105 CCGAGGCAATTCGCAATGACGAGCGGCTCGGTTCGAGCATCATCTTCTTCTCATG 1164
 Db 1147 CCGAAGGCTGTCAATGATGATCCCTGTCCCATTTGGGCGCACCTGTTCTTCTATG 1206
 QY 1165 CTATTAACCTGTGACTTGAAGTACTTTTGAAGTCTTGAAGCATCACACGCGCTTT 1224
 Db 1207 CTATCTTCTGTGGGCTGAGACAGTCACTTGTGTGTGAGAGCCTTGTGAGAGCGCTG 1266
 QY 1225 TGGAGCAATATCTCGAGTGT-----AGGAGACATGCGAAGTATTTGTGGCTGTA 1278

Db 1267 GTTGACATGTACCCCAAGGCTTTCGCGGCGGCTACCGGCGAGAACTGCTCATCTGCGC 1326
 QY 1279 CTGCTCTGTTCATATATTTTGGCTCTCCACACACCATAGGTGGTGTATACCTC 1338
 Db 1327 CTGTCAATGTCTTATTTCTTAGGCTGTGTATGCTGACAGAGGAGGATGTACATT 1386
 QY 1339 GTAGACCTACTCATGTGTATGCGCC--TGATTTGGCATTTTATTTGTTGTTGCT 1395
 Db 1387 TTCCAGCTTTTACATCATAGCGCGCAGATGCGATGCTGTCTTCTGCGGCACTTT 1446
 QY 1396 GAGCGTCCGCGCTGTGCTGGTGTATGCGCTGACCGGCTTCTGTAAGATGTGAGACC 1455
 Db 1447 GAGTGTGTGATCTGCTGCGCTGGGTGTATGAAAGTAAAGGTTCTATCATATTTGAGAGC 1506
 QY 1456 ATGCTGGGCGACACCCCTGATGGTGTGAGGACCGTGTGCTTACATCATCTCCGTA 1515
 Db 1507 ATATTGGATATCGGCGCACTGTCACTATCAATGAGTGGGAGAAAGTTGACCCCTGAG 1566
 QY 1516 TTCTTGTGCTGTGCTGTGCTGTTCGCTTCTGCGTCTGGCACAGAGAGAT--GCTCGCGCG 1572
 Db 1567 ATCTGCGGCGCATCTTCTTCTGTGTCAAGTACAGCGCGCTCAAGTACAACT 1626
 QY 1573 GAATPACATTAATCTTCTATGCTATACCGTATGAGCTGTGATGACCGGCAACCGCTC 1632
 Db 1627 GTGTACATATATCTCTGCTGGGCTACGGCATTTGGCTGTGCTATGCTGTCTCATG 1686
 QY 1633 TCGTCAATCTCTTATCATATTAATCAACTGCTATCACTCTGCA 1681
 Db 1687 CTGTGATCCCGCTGTGATCTTATCACTGTGGAAGACAGAGGCA 1735

RESULT 8

US-09-343-361-3

; Sequence 3, Application US/09343361
 ; Patent No. 6225115
 ; GENERAL INFORMATION:
 ; APPLICANT: Smith, Kelli E. et al
 ; TITLE OF INVENTION: DNA Encoding Taurine and GABA Transporters and Uses
 ; FILE REFERENCE: 40558-D
 ; CURRENT APPLICATION NUMBER: US/09/343,361
 ; CURRENT FILING DATE: 1999-06-30
 ; NUMBER OF SEQ ID NOS: 28
 ; SOFTWARE: PatentIn Ver. 2.0 - beta
 ; SEQ ID NO 3
 ; LENGTH: 1938
 ; TYPE: DNA
 ; ORGANISM: Rattus norvegicus
 US-09-343-361-3

Query Match 22.3% Score 393.4; DB 4; Length 1938;

Best Local Similarity 55.2% Pred. No. 1,7e-92;

Matches 888; Conservative 0; Mismatches 61; Indels 30; Gaps 5;

QY 97 ACGCCGCGCGGAGCGGAGACCTGGGCGCAAGAGCAGAGTTCCTGTGGCGGTGTG 156
 Db 133 AAGCGGCTCCACGAGCGCGGTCACTGGAACAACAAGTGGAGTTGCGTTGAGCGTAAGC 192
 QY 157 GGAATGCAATGATCTGTGTAACGTGTGGCGATTCCTCCATCATCTGTTTACCAAGATGA 216
 Db 193 GGAAGATCATCGTCTGGGCAACGTGTGGCGCTTCCCTACCTGTGCTCAAGAACGCG 252
 QY 217 GCGGCTGCTTCTGATCCGCTACTGCTGTATGCTGTGTTGGCGGCGTGGCGGTTC 276
 Db 253 GGAAGGCAATTCCTGATTCCTTACGTGTGTTTCTATCTGCTGTGGAATCCCGCTTTC 312
 QY 277 TTCTGGAACCTGACGCTGGGCGCAGTACACCGCTGGCGCTGCTCACTCTCTGAAACG 336
 Db 313 TTCTGGAACCGGCTGTGGGCGAGTTTCAGAGGAGGCGGCAATCAGCTCTGAGAGAGA 372
 QY 337 ATCTGCCCGCGCTTAAAGGTGTGCGTATGCCATCTGATGATCACTTCAATGGCG 396
 Db 373 GTCTGCTTTATTGTAAGGATCGGCTATGCAACACAGGTGATTCGAGCGCATTCAT 432

Matches 888; Conservative 0; Mismatches 691; Indels 30; Gaps 5;

OY	97	ACGCCGGCGGGGACCGCGAGACCTGGGGCGAAGAAGCAGAGTTCCTGCTGGCGGTG	156
Db	133	AAGCGGTGCCACGCGCGGGCTGACTGGAAACAAAGGTGGAGTTCGTGTGAGCGTAA	192
OY	157	GGATTCCACAGTGAATCTTGTTAAAGTGTGGCGATTCCTCCATCTGTTATCACAAATGA	216
Db	193	GGAGAGATMCATCGGTCTGGGGCAAGGTGGCGGCTCCCTACCTGTGTTCCACAAACGGC	252
OY	217	GGCGGTGCGTTCCTGATCCGCTACTGGGTTATGCTGCTGTTGGCGGGCTGCCGCTTC	276
Db	253	GGAGGGGCATTCCTGATTCCTTACGTGGTGTGTTTTCATCTGCTGTGGATCCCGCTTC	312
OY	277	TTCTGTGAACGGGGCGGCGCAGTACACCGCTGCGGCTCCCTCCTACCTCTGTGAAACGG	336
Db	313	TTCTGTGAACGGCGCTGTGGGCACTTACGAGCCAGGGCGGCATCAGCTGCTGGAGAGA	372
OY	337	ATCTGCCCGCGCTTAAAGGTGTGCGCTATGCCATCTGCATGATGCATTCATCATGGCG	396
Db	373	GTCGTGCTTATTTTGAAGGCATCGGCTATCAACACAGGTGATGAGGCGCATCTCAAT	432
OY	397	ATGTACTACACAGATCATCGATGGATGGCGGGTGT-----ATTACCTGATGCT	444
Db	433	GCTACTACATCATCATCTGCGGGGCCATCTTACTTAAGCAATGCTTACACACC	492
OY	445	TCTCTCGGCTTATAAATCTGTGCTGCGCATAGACACAGCTCGACAAAGATGGAACAG	504
Db	493	GAGCTCCCGCTGGCGACCTGTGGGCAATGATGGAACACAGAAATGTGTGAGTTCAG	552
OY	505	CCGCTGTACAGCCGGGTACCTCACTCACTCACTAATCTTAATCTTTACACGGCGAG	564
Db	553	AAGCTGAACCTTCAGCAACATACAGTATGTGTCCCTGCGAAGCGCAACCTCCCGGTATG	612
OY	565	GAGTTCCTCGAACGTAATGTATTGGAGAGACAAAGTTACAGGCGCTGATGACATGGG	624
Db	613	GAGTTCGGGAACCCGGGTCTTGG-----CTATATCTGATGGCATTTGAACATCTGGG	666
OY	625	CCGATCAAGCCGTCGCTGGCTGTGTGTGTGTTGCGGGGCTTTGTGTCCTGCTACTTC	684
Db	667	AACCTCGCATGGGAGCTGGCACTGTGTCCTCGCGGCTGTGACCATCTGCTACTTCGC	726
OY	685	TTTGGAAAGAGTACGAGAGTGTGGGCAAGGTGGGTGGGAGACAGCTGTGGCCCCGAC	744
Db	727	ATCTGGAAGGGTACGAAATCAACTGTGAAGGTCTGATGTACCTGCAACCTTCCCTTAC	786
OY	745	GTGTGTGCTGATTTGCTGTGCGCGAGAGCGCTCAAGCTTCCAGAGACGAGAGGCATA	804
Db	787	ATCATGTGCTGATCTCTCTGATCCGAGGGGTCAAGTTGCCGGGTGCTCGGAAGCATC	846
OY	805	CGCTACTACTTACCCCGAGAGTGGCACAAATGTCAAACTTAAGGTATGATTTGACGG	864
Db	847	AAGTTTCACTGTACCTCGACCTCTCCGGGCTCTGTATCCACAGGTGTGGGTGATGCT	906
OY	865	GCATTCGAGATTTTCTTCTGCTCGGTGCGGTCCGGGTTCGGAACCTCACTGGCCTCCAGC	924
Db	907	GGGAGCGAGATCTTTTCTCTATGCACTGTGCTGCGGCTGACCGGCTCTGGGGAGT	966
OY	925	TACACAAAGTTCAACACACTGCTTACAGGAGCGCGCTCATCACTTCTTATCAACTGC	984
Db	967	TACACAACTTAAACACACTGCTTACAGGAGCTGATTAATGCTGCTGCTGACAGT	1026
OY	985	TTGACACAGCTTCTGCTGTGGTTGGTCACTTTTCGCTGGTTTGGGTGATAGGCGACGTT	1044
Db	1027	GGCACACCTTCTGTGGCTGGGTGTGCTATCTTCTAGTCTGGGCTTATGCGCGTACAG	1086
OY	1045	CAGAACAAGACATCGAGAGGTGGCCCTCAGAGCCCTGAGACGCTGATCATGCTGAC	1104
Db	1087	CAGGCGGTGCTAATGCTGAGGTGGCAGAAATCAGGCTCTGGACTGTTCATGCGCTAC	1146
OY	1105	CCCGAGGCAATGCGCACCATGACCGGCTCGCTGTTCTGGGCAATCATCTTCTCTCATG	1166
Db	1147	CCCAAGGCTGTACATGATGATCCCTGTGCCCATTTGGGGCAACCTGTTCTTCAATGATG	1206

OY	1165	CTTTTATACCCCTGGGACATTGACAGTCACTTTTGGAGTCTTGGAGGACAGTACACACCGGCTTCT	1224
Db	1207	CTCATCTTCCCTGGGGCCCTGGACAGTCACTTTTGTGTGTGGAGACCCCTTGTGACACCCGCTG	1266
OY	1225	TGCGACCAATATCTCGAGTGT-----ACGCACACATGGCGGAATATTTGTGTGCTGTGA	1278
Db	1267	GTTTACACATGTACCCCAAGTCTTTCGGCGGGGCTACCGGCGGAGAACGTCATCTTGCC	1326
OY	1279	CTGCTTCTGTTCATCTATATATTTGGCTGTGCGCCACACACATATACGGTGGTATTCCTC	1338
Db	1327	CTGTCCATATGCTCTTATATTTCTTAGGCGCTGGTGATGCTGACACAGGAGGACATATACAT	1386
OY	1339	GTAGACCTACTCAATGTGTATGAGCCC---TGGATTTGGCGATTCTATTGTGTGTATTTGCT	1395
Db	1387	TTTCCAGCTTTTGTACTCATACGCCGCCAGTGGACATGTGCTTGTCTTCTGTGGCCATCTTT	1446
OY	1396	GAGGCTCGCGGCGGTGTGGGTGTATTTAGGCTCTGACCGGTTCTCTGAAAGATGTGAGGACC	1455
Db	1447	GAGTGTGTCTGTCACTCGGCTGGGTGTATGTAGAGTAAACAGTTCCTATGTACATATTTAGAGAC	1506
OY	1456	ATGCTGGGGGACACCCCTCGATGGTCTGTGAGACCTGTGTGTTCTTACATCAGTCCGTA	1515
Db	1507	ATGATTTGGATTACCGGACCACTGTCACTCATCAAGTGTGCTGTGAAAGTTGTGACCCCTGGG	1566
OY	1516	TTCTTGTGTGGT	1572
Db	1567	ATCTGTGTGGGCAATCTTCATCTTTCTTTTGTGTCAAGTACAAAGCCGCTCACTACACAT	1626
OY	1573	GAATACACCTATCCCTCATGGTCTATACACCGCTAGCGTGGGTGATGACCGGACCAACGCTC	1632
Db	1627	GTTATACACATATCTCGTGTGGGGCTACAGCGCATTTGGCTGGCTCATATGGCTCTCTCCATG	1686
OY	1633	TGCGACATCTCCTTTTACATATATACAAATGCTCATCTCCTGTGA	1681
Db	1687	CTGTGCATCCGCGTCTGGATCTTATCATCAAGTGTGGAGAGACAGAGGGA	1735

RESULT 10
US-08-295-814E-1
Sequence 1, Application US/08295814E
Patent No. 5658786
GENERAL INFORMATION:
APPLICANT: Smith, Kelli E.
APPLICANT: Borden, Laurence A.
APPLICANT: Weinstank, Richard L.
TITLE OF INVENTION: DNA ENCODING AND GABP
TITLE OF INVENTION: TRANSPORTERS AND USES THEREOF
NUMBER OF SOUNCES: 35
CORRESPONDENCE ADDRESS:
ADDRESSEE: Cooper & Dunham LLP
STREET: 1185 Avenue of the Americas
CITY: New York
STATE: New York
COUNTRY: USA
ZIP: 10036
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/295,814E
FILING DATE: DECEMBER 19, 1994
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: White, John
REGISTRATION NUMBER: 28,678
REFERENCE/DOCKET NUMBER: 40558-B-PCT-US
TELECOMMUNICATION INFORMATION:
TELEPHONE: 212-278-0400
TELEFAX: 212-391-0525

INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 2028 base pairs
TYPE: nucleic acid
STRANDEDNESS: both
TOPOLOGY: linear
MOLECULE TYPE: cDNA
HYPOTHETICAL: N
ANTI-SENSE: N
FRAGMENT TYPE: N-terminal
IMMEDIATE SOURCE:
LIBRARY: rat brain
CLONE: rB14b
FEATURE:
NAME/KEY: CDS
LOCATION: 126..1932
OTHER INFORMATION:
US-08-295-814E-1

Query Match 21.2%; Score 374.2; DB 1; Length 2028;
Best Local Similarity 53.8%; Pred. No. 1.7e-87;
Matches 844; Conservative 0; Mismatches 713; Indels 12; Gaps 3;

108 GCACGCGAGACCTGGCGGAAGAGAGATCCCTGCTGGCGGTGGATTCGCACT 167
215 GGAACGGGAGCAATGGACCAACAGATGGAGTCTGACTGCGGAGAGATCAT 274
168 GGATCTTGGAGTGGGATTCCTGATGCTTACCAAGATGGGCGGTGCT 227
275 TGGCTTAGGCAACCTGTGGAGTTCCCTATCTGCTACAAAGAGGGAGTGCCTT 334
228 CCTATCCCGTACTGCGTTATGCTGCTTTGGCGGCGTGCCTGTTCTTCGGAAT 287
335 CTATATCCCATCTCATCTCTATTTACCTGTCGATCTGCTCTTCCTGAGAC 394
288 GGGCGTGGCCAGTACCAACCGCTGGCGCTCACTCTCTGGAAGGATTCGCCCGC 347
395 AGCCCTTGGCCAGTACCAACCGGAGGATTCACAGCTGAGGAAATCTGTCAT 454
348 GCTTAAAGTGTGGCTATGCTATGCTGATGATGACATCTACATGGGATGATACAA 407
455 CTGAGGAGGATCGGCTATGCTCAAGATGATGCTGATGCTGATGCTGATGAT 514
408 CACATCATCGGATGGCGGTGATATACCTGATGCTGCTCGGCTATTAACCTGT 467
515 CGTGTCTGCTGGCGCTCTCTTCTACCTCTTACAGCTTCAACACTGACCTCCCTG 574
468 GCTGCATGAGCAGCTCGACAGATGGAACAGCGCGCTGTCACACCGCGTCACTC 527
575 GGGTAGCTGACGCCACGATGGAATACGAAAGCTGTGTGAGATTCAGAAACCAACA 634
528 ACCTCAGACTATCTTAATCTTCTACACCGCGGAGAGATCTTCGAACGTAATGAT 587
635 TTCCCTGAATGTGATCTTGAGAAATGCCACATCCCTGTCTCATCGAGTTCTGGAGAGCG 694
588 GGAGCAGCACAAGTCTAACCGCTGGATGATGAGTGGCGGATCAAGCGCTGCTGCT 647
695 AGTCTGAAGATCTCAGATGGCATCCAGCAGCTGGGGCTCCCTGGCGTGGAGCTGCTCT 754
648 GTGTGTGTGGGGCTTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 707
755 GTGCTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 814
708 TGGCAAGGTGTGTGGGTGACAGCTTGGCCCGTACGTTGCTGCTGCTGCTGCTGCTGCT 767
815 AGGCAAGGTGTGTGATCTACAGCTTCTTCCCTTACTGCTGCTGCTGCTGCTGCTGCT 874
768 GAGAGCGCTACGCTTCCAGAGGAGGAGGATACGCTACTTACCTTACCCAGAGTG 827
875 CCGAGAGTGTACCTGCTGCTGAGCAGCCAGGATTCAGTTTACCTGCTGCTGCTGCTGCT 934
828 GCACAATTTGCAAACTCTAAGGTATGATGAGCGGCGATCCAGATTTTCTCTGCT 887

935 CACAGCTGTGGGATCCCGAGGTGTGATGATGCGGCGACCCAGATCTTCTCTCT 994
888 CGGTCCGGGTTGGGAACCTTACGTGGCGCTCCAGCTACAAAGATTCAACAACTG 947
995 TGCCATCTGCTGGGTGCTTACAGGCTTGGCGGAGCTACACAGATACCAACACTG 1054
948 CTACAGGAGCGGCTCATCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCT 1007
1055 CTACAGGAGCTGCGGCTGCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCT 1114
1008 GGTATTTTCTGCTTGTGGGTGATGAGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1067
1115 TGCCATCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCT 1174
1068 TGGCGTGAAGCGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1127
1175 TGCTGATACAGGCGCTTGGCGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1234
1128 CGGCTCCGCTTGTGGGCTCATCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCT 1187
1235 TTTCTGCGCTTGTGGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1294
1188 TACTTTTGGAGCTTGTGAGGAGTCCAGCGGCTTGTGCGACGAATATCTCGAGTGT 1247
1295 CCACTTGTGTGTAGAAAGCTTGTGACAGCGCTGCTGACATGTATCCCGGCTGT 1354
1248 AGG-----CAGACATCGCAAGATATTGTGGCTGCTGCTGCTGCTGCTGCTGCTGCT 1301
1355 CCGTAAAGAAACCGGAGGAGATTTCTATCTCTATGCTGCTGCTGCTGCTGCTGCTGCT 1414
1302 CGCTCTGCGCCACACACATAGGTGTATACCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1359
1415 CGGCTCATTTATGCTCAAGAGAGCGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1474
1360 -GGCGCTGATGGGATTTCTATCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1418
1475 GGGCAGTGGCATGTGCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCT 1534
1419 GTATGCGCTGACCGGCTTCTGTAAGATGTGAGACATGCTGCGGCGACACCGCTGATG 1478
1535 TTACGAGACCGAGCGCTTCTTATGAACATTTGAAGATGTATGTTGGATACAGCGCTG 1594
1479 GTTCTGAGGACCTGTTGCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCT 1538
1595 TCTTATCAATATCTGCTGCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCT 1654
1539 CTGCTGCTGACAGGAGATGCTGCGGCG--GGAATACACTATCCCTCATGCTC 1595
1655 CTCCCTGATCAATACAGCGCTGCTGCTTACACAGAGATGATACATATCCATGCTG 1714
1596 TATCAGCTGAGCTGCTGATGACCGGCGACCGCTGCTGCTGCTGCTGCTGCTGCTGCT 1655
1715 GGATGCCCTGGGGGCTCTTACGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1774
1656 CTACAACT 1664
1775 CTACAACT 1783

RESULT 11
US-09-343-361-1
Sequence 1, Application US/09343361
Patent No. 6225115
GENERAL INFORMATION:
APPLICANT: Smith, Kellie E. et al
TITLE OF INVENTION: DNA Encoding Taurine and GABA Transporters and Uses
FILE REFERENCE: 40558-D
CURRENT APPLICATION NUMBER: US/09/343,361
CURRENT FILING DATE: 1999-06-30
NUMBER OF SEQ ID NOS: 28
SOFTWARE: PatentIn Ver. 2.0 - beta
SEQ ID NO 1

NAME: White, John
REGISTRATION NUMBER: 28,678
REFERENCE/DOCKET NUMBER: 40558A
TELECOMMUNICATION INFORMATION:
TELEPHONE: 212-977-9550
TELEFAX: 212-664-0525
TELEX: 42523 COOP UI
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 2028 base pairs
TYPE: NUCLEIC ACID
STRANDEDNESS: both
TOPOLOGY: linear
MOLECULE TYPE: CDNA
HYPOTHETICAL: N
ANTI-SENSE: N
FRAGMENT TYPE: N-terminal
IMMEDIATE SOURCE:
LIBRARY: rat brain
CLONE: rB14b
FEATURE:
NAME/KEY: CDS
LOCATION: 126..1932
OTHER INFORMATION:
FCT-US93-01959-1

Query Match 21.2% Score 374.2 DB 5 Length 2028;
Best Local Similarity 53.8% Pred. No. 1.7e-87;
Matches 844; Conservative 0; Mismatches 713; Indels 12; Gaps 3;

QY 108 GCAGCGGAGACGCTGGGCGAAGAGCAGAGTTCCTGCTGGCGGTGGTGGATTGCGAGT 167
DB 215 GGAACGGGAGCAATGGACCAACAGATGGAGTTCGTAAGTGGGGGAGAGATCAT 274
QY 168 GGATCTTGATGATGAGGCGGATCCCTTACATCTGTACAGATGAGAGCGGTGGCTT 227
DB 275 TGGCTTAGGCAACGCTGGAGGTTCCCTATCTGCTACAGAACGGGGAGGTGCTT 334
QY 228 CCTGATCCCGTACTGCGTATGCTGCTGTTGGCGGCTGCGGCTGTTCTTCTGGAAC 287
DB 335 CTATTATCCCTACTCATCTTCTTATTTACCTGCGCATTCCTTCTTCTTCTGAGAC 394
QY 288 GGGCTTGGGCGGATGACACGCGCTGCGCTCATCTCTGGAAGGATGCTGCCGC 347
DB 395 AGCCCTGGCCAGTACCAACAGAGGAGCATCAGAGCCGAGGAAATCTGTCCAT 454
QY 348 GCTTAAAGGTGGGCTATGCGCATCTGATGATGAGATCTACATGGGCGCATGTAACA 407
DB 455 CTTCGAGGGGATGGGCTATGCTCACAAGATGATGCTCAGCCCTTCAATGCTACTCAT 514
QY 408 CACGATCATCGGATGGGCGGTGTATTAAGTATGCTTCTGCTGCTATTAAGTCTGT 467
DB 515 CGTTGCTCGGCGGCGGCGCTTCTTACCTCTTACAGAGCTTTCACACTGACCTCCCTG 574
QY 468 GCTGCGATGACACAGCTGCGACAGAGTGAACAGCGCGCTGTGCAAGCGGTCACCTC 527
DB 575 GGGTAGCTGCGACGACAGTGAATACAGAAACTGTGTGAGATTCCAGAAACCAACAA 634
QY 528 ACCTCAGACTAATCTTAAGTCTTCTACACGCGGCAAGAGATCTTCAAGCTATGAT 587
DB 635 TTCCCTTAATGTGACTTCTGGAATGCGACATCCCTGTGATCAAGTTCTGGGAGAGCG 694
QY 588 GGAGCAGCACAAAGCTTAAGCGCTGATGATGATGGGCGCGATCAAGCGCTGGGCT 647
DB 695 AGTCTGAAGATCTCAAGATGACATCCAGACCTGGGCTCCCTGGCGTGGAGCTGGTCT 754
QY 648 GTGTGTCTGGGGGCTTTTCTGCTGATCTTCTCTTCTTGAAGAGTCAAGAGTGC 707
DB 755 GTGCTCTGCTGCTGATGATCATCTGCTATTTCTGATCTGGAAGGGGTCAGTGCAC 814
QY 708 TGGCAAGGTGCTGGGTGACAGCTGCGCCCGCTACGTGCTGCTGATCTGCTGCG 767
DB 815 AGGCAAGGTGCTGATCAACAGCTACTTCCCTACCTCATGCTGGTGGTCTGTGAT 874

QY 768 GAGAGGGTCAAGCTTCCAGAGGAGGAGGATACGCTACTACTTACCCAGAGTGC 827
DB 875 CCGAGAGATACATGCTGCTGAGGAGCCAGGGAATTCAGTTTACCTGACCCCAAT 934
QY 828 GCACAATTTGCAAACTCTAAGTATGATGATGAGCGGCAATCCAGATTTTCTTCTGCT 887
DB 935 CACAGCTGTGGGATCCCGAGGTGTGATGATGAGGGGCAACCGAGATCTTCTCTCT 994
QY 888 CGGTCCGGGTGGGAACCTTACTGCGCTCTCCAGTACACAAAGTTTCAACAACAGTGC 947
DB 995 TGCCATCTGCTGGGGGCTCAGCGGCTGGGAGCTACAAAGTACCAACAACAGTGC 1054
QY 948 CTACAGGAGCGGCTCATCACTTCTTCAATCAATGCTTGCACGAGCTTCTGCTGCT 1007
DB 1055 CTACAGGAGCTGCTGCTGCTTCTTCTGATCTCAACAGACGACGCTTCTGCTGCTGCT 1114
QY 1008 CGTCAATTTCTGCTTGGGATGATGAGGACGCTTCAAGAACAAAGATTCAGAGAGT 1067
DB 1115 TGCCATCTGCTGCTGCTGCTGCTTCTGATCTCAACAGACGACGCTTCTGCTGCTGCT 1174
QY 1068 TGCCCTGGAAGCGCTGAGTGTGCTTCAATGCTTACCCGAGGCAATCCGACACATGAC 1127
DB 1175 TGCTGAATCAGGCGCTGCTGCTGCTGCTTACCTGAGCTGCTGCTGCTGCTGCT 1234
QY 1128 CGGCTCGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1187
DB 1235 TTTCTGCTGCTTGTGGGCTGCTGCTTCTTCTTCTGCTGCTGCTGCTGCTGCTGCT 1294
QY 1188 TACTTTTGAAGCTTGAAGGAGTCAACAGGCTCTTTCGACAGAAATATCTGAGTGT 1247
DB 1295 CCAGTTTGTGTGTAAGAAAGCTGAGACGCGCTGCTGAGACATGATATCCCGGCTGT 1354
QY 1248 AGG-----CAGCATGGCAAGTATTTGTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1301
DB 1355 CCGTAAGAGAAACCGAGGAGGATTCATCTCATGCTGCTGCTGCTGCTGCTGCTGCT 1414
QY 1302 CGCTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1359
DB 1415 CGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1474
QY 1360 -GGCCTGGAATGCGATCTTATTCGTGTGATTTGCTGAGCGCTGCGGCTGTGCTGCT 1418
DB 1475 GGCAGAGGAGATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1534
QY 1419 GTATGCGCTGAGCGGCTTCTGATGAGATGAGAGACATCTGGGCGACACCCCTGATG 1478
DB 1535 TTACGAGACGAGCGCTTCTATGACAAATGAAATGATGATGATGATGATGATGATGAT 1594
QY 1479 GTTCTGAGAGACGCTGCTGCTTATCATCATGCTGCTGCTGCTGCTGCTGCTGCTGCT 1538
DB 1595 TCTTATCAAAATGCTGCTGCTGCTTCTTACAGCGAGCTGTGCTGCTGCTGCTGCTGCT 1554
QY 1539 CTCCGCTTGGCACAGAGAGATGCTGCGCG--GGAATACACCTATCCCTCATGCTGTC 1595
DB 1655 CTCCCTGATCAAAATGACCGGACGACGCTGCTCAACAAGAAATACATATCATGATGGGG 1714
QY 1596 TATCAGCTGAGCTGCTGCTGATGACCGGCGACACCGCTGCTGCTGCTGCTGCTGCT 1655
DB 1715 GGATGCGCTGGGGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1774
QY 1656 CTACAACT 1664
DB 1775 CTACAGCT 1783

RESULT 13
US-08-295-814E-9
Sequence 9, Application US/08295814E
Patent No. 5658786
GENERAL INFORMATION:
APPLICANT: Smith, Kelli E.
APPLICANT: Borden, Laurence A.


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PCT-US93-01959-9
: Sequence 9, Application PC/TUS9301959
: GENERAL INFORMATION:-
: APPLICANT: Smith, E. Kelli
: APPLICANT: Borden, A. Laurence
: APPLICANT: Hartig, R. Paul
: APPLICANT: Weinschenk, L. Richard
: TITLE OF INVENTION: DNA ENCODING TAURINE AND GABA
: TITLE OF INVENTION: TRANSPORTERS AND USES THEREOF
: NUMBER OF SEQUENCES: 10
: CORRESPONDENCE ADDRESS:
: ADDRESSEE: Cooper & Dunham
: STREET: 30 Rockefeller Plaza
: CITY: New York
: STATE: New York
: COUNTRY: USA
: ZIP: 10112
: COMPUTER READABLE FORM:
: MEDIUM TYPE: Floppy disk
: COMPUTER: IBM PC compatible
: OPERATING SYSTEM: PC-DOS/MS-DOS
: SOFTWARE: Patent Release #1.24
: CURRENT APPLICATION DATA:
: APPLICATION NUMBER: PCT/US93/01959
: FILING DATE: 19930304
: CLASSIFICATION:
: ATTORNEY/AGENT INFORMATION:
: NAME: White, John
: REGISTRATION NUMBER: 28,678
: REFERENCE/DOCKET NUMBER: 40558A
: TELECOMMUNICATION INFORMATION:
: TELEPHONE: 212-977-9550
: TELEFAX: 212-664-0525
: TELEX: 422523 COOP UI
: INFORMATION FOR SEQ ID NO: 9:
: SEQUENCE CHARACTERISTICS:
: LENGTH: 1991 base pairs
: TYPE: NUCLEIC ACID
: STRANDEDNESS: both
: TOPOLOGY: linear
: MOLECULE TYPE: cDNA
: HYPOTHEetical: N
: ANTI-SENSE: N
: IMMEDIATE SOURCE:
: LIBRARY: human brain
: CLONE: hcat-3
: FEATURE:
: NAME/KEY: CDS
: LOCATION: 35..1930
: OTHER INFORMATION:
: PCT-US93-01959-9
:
: Query Match 21.1%; Score 372.6; DB 5; Length 1991;
: Best Local Similarity 54.6%; Pred. No. 4.3e-87;
: Matches 869; Conservative 0; Mismatches 694; Indels 30; Gaps 5;

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Db 407 GTTGGCCCTTATTGTAAGGCAATGGCTATGCAACAGGTGATGAGGCCCATCTGAAT 466
Oy 397 ATGTACTACACACGATCATGCGATGGCGGTATTACTGTATC-----GCT 444
Db 467 GTGTACTATCATCATCTCCGCGATGGCCATTTTATTACTGAGCAATCTTCACTATG 526
Oy 445 TCTGCGCGCTTAAACCTGTGCTGCCATGTGAGCCAGCGTGGACAAACGATGGAAACAG 504
Db 527 GACCTACCTCGGCTTACCTGTGGCATGAGTGAACACAGAGAAATGTGTGGATTCCAG 586
Oy 505 CCGCTGTGCAAGCCGGTACCTGACCTGACACTAATCTTAATCTTACACCGGGAGAG 564
Db 587 AAATGAAATGTGAGCAACATGAGCATGTCTCTGTGAGAAATGCAACCTCCCTGATG 646
Oy 565 GAGTTCTTGCAACGTAATGATTGAGACGACACACAGCTTAAGCGCTTGATGACATGGG 624
Db 647 GAGTTTGGGAGGACCGGGTCTCG-----CCATCTGTGACGGGATCGAGCATATCGGG 700
Oy 625 CCGATCAAGCCGTGCGTGTGCTGTGTGTTGGGGCTTTGTCTCGTCACTCTCTCG 684
Db 701 AACCTTGGCTGGAGCTGGCTTGTCTTGGACACCTGGACCATCTTACTTCTGT 760
Oy 685 TTGTGAAAGAGTCAAGAGTGTGCGCAAGGTGGTGTGACAGCTTGCCCGGTAC 744
Db 761 ATCTGGAAGGGGACCAAGTCTACAGGAAGGTGTATAGTGAAGTGGACATTCCTCC 820
Oy 745 GTGTGCTGTGATTTCTGTGCGGAGAGCGGTCAAGCTTTCAGAGGACGAGGAGCAT 804
Db 821 ATCATGTGCTGTGATCTCTCTGTATACAGGAGGTGACGTGCGCGGCTTCAGAGGGGATC 880
Oy 805 CGGTACTACCTTACCCAGAGTGGACAAATTCGAAGTCAAGATGATGATGAGCGG 864
Db 881 AAGTTTACTTGTATACCTGACCTCTCCGCTCTCCGACCCCAAGTCTGTGATGATCT 940
Oy 865 GCATCCAGATTTTCTTCTGCTGTGTCGCCGGTTCCGGAACCTTACGCGCTCTCCAGC 924
Db 941 GGAAGCGAGATCTTTTCTCTCTATGACATTTGCTGCGGTGTGTGACCGCTGTGGAAGT 1000
Oy 925 TACACAAAGTTCAACAAACACTGTACAGGAGCGGCTCATCACTTTTATATCACTGC 984
Db 1001 TATATCAATATATACAAACACTGTACAGGAGCTATGATCTCTCTCTCTGAAAGC 1060
Oy 985 TTGACAGCTTCTCTGTGCTGTGCTGATTTTCTGCTTGGGTGATGAGCGACAGTT 1044
Db 1061 GGCACAGCTTCTGTGCTGTGAGGTGAGAGTCAAGGCCCGCGCTTATTTAGCGTAC 1180
Oy 1045 CAGAACAAGAGCATGAGAGGAGTGGCTCGAAGGCCCTGAGCTGATGTCATGCTGTAC 1104
Db 1121 CAGGGGTACCATTTGCTGAGGTGAGAGTCAAGGCCCGCGCTTATTTAGCGTAC 1180
Oy 1105 CCGAGGCGCATGCGCACCATGACCGGCTCGGTGTTCTGGGCGCATCTTCTCTCATG 1164
Db 1181 CCAAGAGGCTGACACATGATGCTCTCTCCCGCTGTGGGCGACATGTTCTTTCATGATG 1240
Oy 1165 CTATATACCTGTGGAGCTTACAGATTTTGGAGAGTGTAGAGGACGACACACGGGCTT 1224
Db 1241 CTATCTTCTGTGGGCTGTGAGAGGACGACAGCTTTGTGTGTGAAAGCTGTGACCGCGTG 1300
Oy 1225 TGCAGCAATATCTCGATGATTTAGGAG-----ACATGCGCAATATTTGGGCTGTA 1278
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Oy 1279 CTGCTTCTGTATCTATATTTGGGCTGTGCGCCACACACATATAGGTGTATACCTC 1338
Db 1361 TTGTCTGTATCTCTCTATTTTGTGGGCTGTGTGTTAAGAGGGTGGCATGTATCATC 1420
Oy 1339 GTACACCTACCAATGTATGATGAGCC---TGAATGCGAATTCATGCGTATGATTCGT 1395
Db 1421 TTCCAGCTCTTTGACCTCTATGCGCCAGTGGATGTGCTTCTCTTCTGTGGCATCTTT 1480
Oy 1396 GAGGCTCCGCGCTGTGCTGGGTATGCGGTGACCGGTTCTCTGAAAGTGTGAGAGCC 1455

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